

Name: \_\_\_\_\_

**p1105: Factoring when  $a = \text{prime}$  (v30)**

1. Factor the expression  $2x^2 + x - 3$

$$(2x + 3)(x - 1)$$

2. Factor the expression  $2x^2 - 7x + 3$

$$(2x - 1)(x - 3)$$

3. Factor the expression  $3x^2 - 28x + 9$

$$(3x - 1)(x - 9)$$

4. Factor the expression  $11x^2 - 52x + 32$

$$(11x - 8)(x - 4)$$

5. Factor the expression  $5x^2 - 13x + 8$

$$(5x - 8)(x - 1)$$

6. Factor the expression  $11x^2 - 15x + 4$

$$(11x - 4)(x - 1)$$

7. Factor the expression  $2x^2 + 3x + 1$

$$(2x + 1)(x + 1)$$

8. Factor the expression  $5x^2 + 2x - 3$

$$(5x - 3)(x + 1)$$

9. Factor the expression  $5x^2 + 11x - 12$

$$(5x - 4)(x + 3)$$

10. Factor the expression  $7x^2 + 23x - 20$

$$(7x - 5)(x + 4)$$